"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

CZECHOSLOVAKIA / Farm Animals. General Problems Q-1

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12033

Author : Opichal M., Maska J., Drhikova B.
Inst :
Title : A Contribution to the Study of the Mechanics of the Action of Antibiotics and Ration Deficiency (Novoye v voprose o mekhanizme vozdeyctviya antibiotikov i nepolnotsennosti kormovogo ratsiona)

Orig Pub: Sbor. Ceskosl. akad. zemed. ved. Zivoc. vyroba, 1956, 29, No 12, 905-934 (in Czech)

Abstract: Experiments in the raising of chickens by supplementing their rations with antibiotics demonstrated that the addition of antibiotics, especially penicillin to the rations complete as far as their animal protein content is concerned has no influence upon the increase in weight of the chickens. In feeds

Card 1/3

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CZECHOSLOVAKIA / Farm Animals, General Problems Q-1

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12033

Abstract: chickens and had no influence upon the weight of their liver, spleen, small intestine, thyroid gland, and seminal cords, but the weight of the suprarenal glands did increase.

Card 3/3

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIAK, Vojtech, inz.

Organization and planning of machine manufacturing. Podn org 18 no.2:59-64 F'64

1. Kancelarske stroje, National Enterprise, Uherske Hradiste.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIANIN, I. P.

Author: Drianin, I. P.

Title: The Russian method of converting cast iron into steel by the Bessemer process. (Russkii portsess malogo bessemerovaniia.) 99 p.

City: Moscow

Publisher: State Printing House of Scientific and Technical Literature pertaining to Machine Construction.

Date: 1950

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 7, Page 453

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIANOVSKA, Olga V.

Problems of cytogenetics. Priroda Bulg 12 no. 5: 21-24 S-O '63.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIANOVSKA, O.

Academician Daki Iordanov; a meeting of friends on the occasion of the awarding of his decoration. Nauch zhivot 7 no. 1-27 Ja-Mr '64.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIANOVSKA, Olga

Sixty-five years of the discovery of double fertilization in covered-seed plants. Priroda Bulg 13 no.3:117-120 My-Je '64.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIANOVSKA, O., dotsent

Teacher and Comrade, Akademik Iliki Jordanov at 70. Prir
i zmanie 17 no.5:1-3 My'64

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DALEV, D.; DRIANOVSKA, L.; STAIKOV, V.; AVRAMOVA, B.; DELCHEV, G.; STOIANOV, N.

Influence of fertilization on the alkaloid content and yield of Atropa belladona in Bulgaria. Trud Khim-farmatsevt inst 4:56-57 '63.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DALEV, D., prof.; DRIANOVSKA-MONINSKA, L.

New method of obtaining coramine. Farmatsiia 4 no.1:33 Ja-F '54.

1. Meditsinska akademiia V.Chervenkov, farmatsevtichen fakultet, Institut po farmatsevtichna khimiia.
(NIKETAMIDE, preparation of.)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

PASKOV, D.; DRIANOVSKA-NONINSKA, L.

Chemical and pharmacological studies on Satureia hortensis L. Farmatsiia 4 no.2:31-37 Mr-Ap '54.

1. St. nauchen sutrudnik v Instituta po eksper. meditsina pri BAN. (for Paskov) 2. St. asistent pri Katedrata po farmatsevtichna khimia pri Farm. fakultet na Med. Akademiia V.Chervenkov (for Drianovska-Noninska).
(PLANTS,
*satureia hortensis, pharmacol.)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

BONVA, A.; DRIANOVSKA-NONINSKA, L.; IVANOV, As.

Preliminary communication on pharmaceutic utilization of rosaceous gall. Farmatsiia, Sofia 4 no.4:33-34 July-Aug 54.
(PLANTS,
rosaceous gall, pharmacol.)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIANOVSKA-NONINSKA, L.; KOCHKOVA-TSAFAROVA, Z.

Examination of gastric juice acidity by a catheterless method with gastrlazur. Suvrem med., Sofia no.7:15-22 '61.

(GASTRIC JUICE)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIANOVSKA-NONINSKA, L.

Ion-exchange sorption of morphine with some sulfo-cation exchange-resins. Nauch. tr. vissh. med. inst. Sofia 39 no.5:153-158 '60.

1. Predstavena ot prof. D. Dalev, rukovoditel na Katedrata po farmatsevitchna khimiia.

(MORPHINE chem) (ION EXCHANGE RESINS chem)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIANOVSKA-NONINSKA, L.; SAMSONOVA, S.

Resochin as a chemical irritant in the determination without catheter of gastric juice acidity. Suvr. med. 13 no.10:27-29 '62.

(GASTRIC ACIDITY DETERMINATION)
(CHLOROQUINE)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIANOVSKIY A.

"New Subspecies of Lepidopterous Insect (Cripsedra Niphopasta Obrth. Subsp. Bulgarica) in Bulgaria." in Bulgaria p. 373, Izvestiia, Sofiya, Vol. 2, 1953

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKAYA, E.M.

VIROVETS, A.M., professor; BARVENKO, Ye.I., inzhener; BENDOVSKIY, M.K., inzhener; GORELKIN, L.F., inzhener; DRIATSKAYA, E.M., inzhener; ZELICHENKO, L.B., inzhener; IVANOV, V.F., inzhener; KAMENSKIKH, I.G., inzhener; KOSINOV, M.Ya., inzhener; LARIN, D.A., inzhener; MAUERER, V. G. inzhener; NEMTSEV, S.V., inzhener; SOLOV'YEVA, M.V., inzhener; PISHKIN, V.N.; RYTOV, A.V., redaktor; SHLENSKIY, I.A., tekhnicheskiy redaktor.

[Tables of the rectangular coordinates of map frame angles and of map frame and area dimensions of trapezoids of topographic surveys, using the scale 1:5000; for latitudes 36°- 68°. Krasovskii's ellipsoid] Tablitsy priamougol'nykh koordinat uglov ramok, razmerov ramok i ploshchadei; trapetsii topograficheskikh s"emok masshtaba 1:5000. Dlia shirot ot 36°- 68°. Ellipsoid Krasovskogo. Moskva, Izd-vo geodezicheskoi lit-ry, 1953. 909 p. (MIRA 8:4)

(Surveying—Tables, etc.) (Coordinates) (Trigonometry—Tables, etc.)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKAYA, E.M., otv.red.; SHUROV, S.I., red.; BASHLAVINA, G.N., red.; VORONINA, A.N.; GUREVICH, I.V., red.; ZASLAVSKIY, I.I., red.; KOZLOV, F.M., red.; LARIN, D.A., red.; RAUSH, V.A., red.; SAMOYLOV, I.I., red.; SLADKOVA, Ye.A., red.; STROYEV, K.F., red.; SCHASTNEV, P.N., red.; TUTOCHKINA, V.A., red.; ERDELI, V.G., red.

[Geography atlas for the sixth grade] Geograficheskii atlas dlia 6-go klassa. Moskva, 1958. 32 p. (MIRA 12:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii. 2. Nauchno-redaktsionnaya kartosostavitel'skaya chast' TSentral'nogo nauchno-issledovatel'skogo instituta geodezii, aeros"yemki i kartografii.
(Maps)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIYA, Z. V.

CA

The use of vacuum for increasing the efficiency of separation of fractions in rectification. A. I. Skobo and Z. V. Dryatskaya. *Neftyanoe Khoz.* 24, No. 5, 30-1(1946). Reduced pressure results in higher efficiency chiefly in the separ. of hydrocarbons whose b. pts. differ by 8° or less.

Bruno C. Metzner

A10-11A METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKA, Z. V.

"Quantitative Determination of Individual Hydrocarbon Composition of Gasoline Fractions (to 105°C) of Tuymazy, Devonian and Echabi Petroleum Oils." Sub 8 Jun 51, Central Inst of Aviation Fuels and Oils (TsIATIM).

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

Driatskaya, Z. V.

SKOBLO, A.I.; PAVLOVA, S.N.; DRIATSKAYA, Z.V.

Use of adsorption refining for the production of high-quality transformer oil from Emba crudes. Khim. i tekh. topl. i masel no.9:21-24 S '57. (MLRA 10:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.
(Kazakhstan--Petroleum--Refining)
(Insulating oils)

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKAYA, Z.V.

21(4) PHASE I BOOK EXPLOITATION SOV/1441

Pavlova, S.N., Z.V. Driatskaya, Z.N. Baranova, M.A. Mkhchiyan, N.M. Zhmykhova, and S.V. Zavershinskaya.

Nefti vostochnykh rayonov SSSR; spravochnaya kniga (Oils of Eastern Regions of the USSR; a Handbook) Leningrad, Gostoptekhizdat, 1958. 506 p. 1,000 copies printed.

Sponsoring Agencies: USSR Gosudarstvennyy planovy komitet, Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

Eds.: Pavlova, S.N.; and Z.V. Driatskaya; Executive Ed.: Ragina, G.M.; Tech. Ed.: Yashchurzhinskaya, A.B.

PURPOSE: This handbook is intended for petroleum production personnel, refiners, scientific research organizations, as well as students

Card 1/22

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

Oils of Eastern Regions of the USSR (Cont.) SOV/1441

and faculty members at petroleum vuzes.

COVERAGE: This book consists of two parts. The first part constitutes a card index listing the characteristics of crude oil found in eastern regions of the USSR, as well as of its end products. The second part is a continuation of the handbook published in 1947 under the title Soviet Crudes. It contains more data, however, and treats a much larger number of crudes. The card index shows the properties of crudes as well as the products obtained from them by straight-run distillation. Card format as well as the method of showing the characteristics of crudes and their products was adopted by the All-Union Scientific Research Institute of Petroleum Industry, and approved by the All-Union Council for the Study of Petroleum, Its Products, and Methods Used To Analyze Them. Earlier work done by Professor A.S. Velikovskiy, Candidates of Sciences S.N. Pavlova, P.S. Gofman, and Ye. F. Rudakova had been used in this book. P.N. Yenikeyev was consulted in matters dealing with petroleum geology. There are no references given.

Card 2/22

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKAYA, Z. V., PAVLOVA, S. N.

"Analysis of Crude Oils in the Volga-Ural Region."

Report submitted at the Fifth World Petroleum Congress, 30 May - 5 June 1959, New York.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

26525
S/065/61/000/009/002/003
E030/E135

11.0130

AUTHORS: Pavlova, S.N., Driatskaya, Z.V., Baranova, Z.N., and Zavershinskaya, S.V.

TITLE: The first exploitable Siberian crude

PERIODICAL: Khimiya i tekhnologiya topliv i masel, 1961, No.9, pp. 8-14

TEXT: An essay is given on this crude, discovered in April 1960 in Western Siberia, 400 km North of Tyumen'. The present find is called the Shaim field, and is at 1487-1500 m depth in a Jurassic bed. It has the following characteristics:

Density ρ_4^{20}	0.827	Elemental crude composition, %	
Carbon residue, %	2.08	C	85.8
Composition, %		H	13.28
sulphur	0.46	O	0.36
adsorbable resins	10.2	S	0.46
asphaltenes	0.82	N	0.10
paraffins	2.89/55°		
gas	3.5		

Card 1/3

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26525
S/065/61/000/009/002/003
E030/E135

The first exploitable Siberian crude

Gas composition, %		Yield of white products, %	
C_2H_6	1.2	up to 200°C	28.5
C_3H_8	25.8	" " 300°C	45.7
i-C_4H_{10}	17.2	" " 350°C	55.3
n-C_4H_{10}	55.8		

Properties of fractions are as follows:
SRB (28-85°C), yield 7.6%. ON 71.5 straight, 91 with 2.5 g TEL/kg, suitable for motor spirit Б-91/155 (B-91/155).
SRB (28-120°C), yield 14.3%. ON 65.5 straight, 76.5 with 0.41 g TEL/kg, suitable for spirit A-76.
SRB (28-180°C), yield 25%, ON 66.6 with 0.82 g TEL/kg, suitable for motor spirit A-66. 0.05% S in all above fractions; aromatic content rises from 0 to 14%, and the naphthene content falls from 43% to 34%, of which just under one third is six-ringed. The crude therefore gives a much better platformer feed than Tuymazy. 150-280 °C cut gives colour-stable kerosine, with 22.8% yield on crude. Density is 0.811, and smoke point 21 mm, with 0.07% S. Diesel cuts, in the 150 to 350 °C range, give

Card 2/ 3

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

26525

The first exploitable Siberian crude S/065/61/000/009/002/003
E030/E135

52-59 cetane number, 0.08-0.12% S, and -18 to -25 °C pour point, with 27 to 36% yield. The residue range from 350 °C to 480 °C was examined in 3 °C cuts, and found suitable for all grades of fuel oil except naval grades. Throughout the range, the oil qualities change as follows:

Density	ρ_4^{20} 0.8640-0.9126	Viscosity, cs	
		ν 50°	7.5 - 60.7
Temperature, °C	pour point, 10-40	ν 100°	2.2 - 10.1
		Sulphur content, %	0.3 - 0.84

There are 4 figures and 8 tables.

ASSOCIATION: VNII NP

Card 3/3

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

PAVLOVA, Serafima Nikolayevna; DRIATSKAYA, Zoya Vasil'yevna; MKHCHIYAN, Mariya Artemovna; BARANOVA, Zoya Nikolayevna; ZHMYKHOVA, Nataliya Mikhaylovna; ZAVERSHINSKAYA, Sof'ya Viktorovna; KLEYMENOVA, K.F., ved. red.; POLOSINA, A.S., tekhn. red.

[Petroleum in eastern regions of the USSR]Nefti vostochnykh raionov SSSR; spravochnaia kniga. Pod red. S.N.Pavlovoi i Z.V. Driatskoi. Moskva, Gostoptekhizdat, 1962. 607 p. (MIRA 15:12)
(Petroleum--Analysis)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

PAVLOVA, S.N.; DRIATSKAYA, Z.V.; MKHCHIYAN, M.A.

Molecular sieve method for determining the composition of methane hydrocarbons of a normal structure in gasoline fractions. Khim. i tekh.topl.i masel 7 no.3:58-60 Mr '62. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.
(Petroleum—Analysis)
(Paraffins)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKAYA, Z.V.; ZHMYKHOVA, N.M.

Use of a double sorbent for determining the group hydrocarbon composition of kerosene-gas oil and oil fractions. Khim.i tekh.topl.i masel 7 no.7:9-12 Jl '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.
(Hydrocarbons) (Petroleum--Analysis)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

PAVLOVA, S.N.; DRIATSKAYA, Z.V.; MKHCHIYAN, M.A.

Crude oils of the Mangyshlak Peninsula. Khim. i tekh. topl. i masel 8 no.6:1-7 Je '63. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.
(Mangyshlak Peninsula—Petroleum—Analysis)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

MKHCHIYAN, M.A.; BARANOVA, Z.N.; DRIATSKAYA, Z.V.; PAVLOVA, S.N.

Petroleums of Siberia. Khim. i tekh. topl. i masel 9 no.12: 1-6 D '64. (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

BORODZYUK, G.G.; STEPANOV, G.N.; DRIATSKIY, N.M.; IONTOV, L.Ye.; KOVALEV, S.M.; BLOKHIN, A.S.; DVORTSOV, L.D.; LUGOVSKOY, N.Ye.; MERKULOV, A.G.; SMIRNOV, B.P.; ROGINSKIY, E.M.; BALAN-IL'YEVSKAYA, I.A.; IZRAILIT, S.G.; GRANAT, M.B.; ZARIN, S.A., otv.red.; FEDOROVSKAYA, L.N., red.; MARKOCH, K.G., tekhn.red.

[Multichannel apparatus for high-voltage telephony on overhead lines and cables] Mnogokanal'naia apparatura vysokochastotnogo telefonirovaniia po vozdushnym i kabel'nym liniiam sviazi. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1959. 511 p. (MIRA 14:1)

(Telephone--Equipment and supplies)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, Nikolay Mikhaylovich; KHARITONOV, Anatoliy Ivanovich; LESHCHINSKIY, A.A., otv. red.; ROZOVSKAYA, M.I., red.

[Individual equipment SIO-60 for multichannel long-distance communication systems] Individual'noe oborudovanie SIO-60 dlia mnogokanal'nykh sistem dal'nei sviazi. Moskva, Izd-vo "Sviaz'," 1964. 64 p. (MIRA 17:6)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, N.M., inzh.; IVANOVA, A.A., inzh.; MARKOVA, G.L., inzh.

Apparatus for the separation of 60-channel telephone channel groups in multichannel high-frequency telephony systems.
Vest. sviazi 24 no.12:3-6 D '64 (MIRA 18:2)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

PA 38T12

USSR/Electricity Nov 1947
Ionosphere
Ionospheric Measurements

"Magnetic Ionization in the Sporadic-E Layer," V. M. Driatskiy, Arctic Institute, Main Administration of the Northern Sea Route, Council of Ministers of the USSR, 4 pp

"Dok Ak Nauk" Vol LVIII, No 5

Many scientists have studied the triple magnetic fission which occurs when radio waves are reflected from the atmosphere. However, this phenomenon has been studied primarily from the effect which is caused by the F2 layer. Studies on the effect of the F1 and E

38T12

USSR/Electricity (Contd) Nov 1947

layer are few. Author discusses triple as well as double magnetic ionization which occurs in the E layer. Submitted by Academician B. A. Vvedenskiy, 21 May 1947.

38T12

DRIATSKIY, V. M.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V. M.

"Ionosphere Near the Polar Region."

The International Association of Geomagnetism and Aeronomy; Abstracts of the Reports at the XI General Assembly of the International Union of Geodesy and Geophysics) Moscow, Izd-vo AN SSSR, 1957. 46 p.

Abstract: Observations madr from May 15, 1954 to April 14, 1955 on the drifting station SP-3 include vertical sounding of the atmosphere on a sliding frequency. During the period of minimum solar activity, the number of sun spots in the working period was 8.3. The vertical component of the earth's magnetic field changed from 56,612 γ to 3,919 γ . The geomagnetic distrubance was much smaller than in polar observatories further south. The behavior of some ionospheric layersi is nearly the same as in moderate latitudes and shows the same dependence on the elevation of the sun. Ionization of various layers is pronounced and triple magneto-ionic splitiing was observed rather frequently.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V.M.

Drift of the station "North Pole 6." Probl.Arkt. no.6:127-129 '59. (MIRA 13:6)

1. Nachal'nik dreyfuyushchey stantsii "Severnyy polyus -6". (Arctic regions--Geophysical research)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

S/035/61/000/009/033/036
A001/A101

9,9130

AUTHOR: Driatskiy, V.M.

TITLE: Processes in the lower ionosphere of high latitudes during the solar flare of February 23, 1956

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 9, 1961, 63, abstract 9A552 (V sb. "Issled. ionosfery", no. 3, Moscow, AN SSSR, 1960, 27 - 33, Engl. summary)

TEXT: Processes in the ionosphere, related to the solar flare occurred on February 23, 1956, at 3^h55^mUT, were analyzed on the basis of observations at 14 ionospheric stations of the USSR. Anomalous absorption of radio waves on the illuminated hemisphere was noted during the flare. Approximately 1.5 hours after the beginning of the flare, enhanced absorption was observed at high latitudes, which persisted for several days. This effect was pronounced in the auroral zone. No peculiarities were noticed in the geomagnetic field during the period of enhanced absorption. A strong magnetic storm began two days after the flare.

VB

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S/035/61/000/009/033/036
A001/A101

Processes in the lower ionosphere ...

Conclusions are drawn on speeds of corpuscular streams, by which the effects observed can be explained. There are 8 references.

T. Kerblay

VB

[Abstracter's note: Complete translation]

Card 2/2

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V.M.; MILYAYEV, N.A.; NIKOL'SKIY, A.P.; FEDCHENKO, K.K.

Development of geophysical research in the Arctic during the past 40 years. Probl. Arkt. i Antarkt. no. 4:97-110 '60. (MIRA 13:12)

(Arctic regions--Geophysical research)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

28423
S/169/61/000/007/090/104
A006/A101

9,9100

AUTHORS: Driatskiy, V.M., Besprozvannaya, A.S.

TITLE: The ionospheric condition in the circumpolar region

PERIODICAL: Referativnyy zhurnal. Geofizika, no. 7, 1961, 37, abstract 70260 (Tr. Arkt. i Antarkt. n.-i. in-ta, 1960, 223, 98 - 109)

TEXT: The authors describe peculiarities of the ionosphere observed at the drifting station "Severnyy Polyus" (North Pole) 3 during the period from May 15th, 1954 to April 14th, 1955. The equipment is described. Regular layers E and F1 are characterized by a small amplitude of the diurnal run. During the polar day the layers exist around-the-clock. Frequently a triple magneto ionic splitting is observed in layers E, F1 and F2. Layer E_s in the circumpolar region is transparent in the majority of cases and does not reveal delay and diffusion. The screening E_s layer with 8 - 10 fold reflections appears only during single hours of the summer and equinoctial months. E_s appears most frequently during the winter and autumn. The F2 layer in the circumpolar region is considerably different from the middle-latitude layer. The seasonal run of f_oF2 has a summer maximum and winter minimum. During the summer the diurnal changes

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28423
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A006/A101

The ionospheric condition in the circumpolar region

of f_oF2 are low, and very high during the winter. It is supposed that the F2 layer consists during the winter of sporadic formations arising as a result of ionization by corpuscular radiation. Abnormal absorption in the circumpolar region was observed very rarely. The probability of the appearance of abnormal absorption and the level of magnetic disturbance at station SP-3 are considerably lower than at the Tikhaya Bay and Tiksi Bay stations, which are situated nearer to the maximum of the aurora polaris zone.

T. Kerblay

[Abstracter's note: Complete translation]

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APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V.M., kand. geogr. nauk, red.; DOLGIN, I.M., red.; DROZHZHIN, L.P., tekhn. red.

[Materials on observations completed by the research drift stations "North Pole 6" and "North Pole 7" in 1957-58] Materialy nabliudenii nauchno-issledovatel'skikh dreifuiushchikh stantsii "Severnyi polius-6" "Severnyi polius-7" 1957/58 goda. Pod red. V.M.Driatskogo. Leningrad, Izd-vo "Morskoi transport." Vol.2. 1961. 653 p. (MIRA 15:1)

1. Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut. 2.Nachal'nik dreyfuvushchey stantsii "Severnyy polyus-6" (for Driatskiy).
(Arctic regions—Meteorology—Observations)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V.M., red.; BIKULOVA, R.I., red.; KOTLYAKOVA, O.I., tekhn. red.

[Observational data collected by the drifting research stations "North Pole 6" and "North Pole 7" in 1957 and 1958] Materialy nabliudenii nauchno-issledovatel'skikh dreifuiushchikh stantsii "Severnyi polius-6" i "Severnyi polius-7" 1957/58 goda. Pod obshchei red. V.M.Driatskogo. Leningrad, Izd-vo "Morskoi transport," Vol.4. 1961. 607 p. (MIRA 14:12)

1. Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.
(Arctic regions—Magnetism, Terrestrial—Observations)
(Arctic regions—Ionospheric research)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, N.M., inzh.; IVANOVA, A.A., inzh.; MARKOVA, G.L., inzh.

High-frequency tandem apparatus for 12 and 60-channel groups of telephone channels. Vest. Sviazi 21 no.6:3-5 Je '61. (MIRA 14:9)

(Telephone)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V.M.

Radio messages from Antarctica. Inform. biul. Sov. antark. eksp. no.30:33-35 '61. (MIRA 14:12)

1. Nachal'nik Shestoy kontinental'noy ekspeditsii Antarktiki. (Antarctic regions—Geophysical research)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V.M.

Conference of representatives of the member countries of the Antarctic Treaty on problems of radio communication. Inform. biul. Sov. antark. eksp. no.45:48-49 '64. (MIRA 18:1)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

29570
S/033/61/038/004/003/010
E133/E135

9,9842 (1046)

AUTHORS: Besprozvannaya, A.S., and Driatskiy, V.M.

TITLE: On the connection between type III absorption and eruptive-active regions on the sun

PERIODICAL: Astronomicheskiy zhurnal, vol.38, no.4, 1961, 611-616

TEXT: A comparison of type III absorption with solar phenomena shows that, in most cases, absorption in the polar caps is observed after large, chromospheric flares which are accompanied by intensive bursts of type IV radio emission (Ref.1: D.K. Bailey, Proc. I.R.E., v.47, no.2, 255, 1959. Ref.2: B. Hultqvist, Tellus, vol.2, no.3, 332, 1959. Ref.3: G.G. Reid and H. Leinbach, J. Geophys. Res., v.64, 1801, 1959. Ref.4: J.Hakura, T. Goh, J. Radio Res. Laboratories, v.6, 635, 1959). In the course of examining data collected during the I.G.Y. (1957-59), the authors noted that radio-bursts and chromospheric flares of similar intensity (3 and 3+) produced very different amounts of ionospheric absorption (blackouts lasted from several hours to several days). It has been pointed out by Reid and Leinbach (Ref.3) that there appears to be a positional asymmetry in the flares which

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29570
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E133/E135

On the connection between type III...

are connected with the absorption. Of 18 such flares, 12 appeared west of the central meridian. The authors have analysed the positions of all flares connected with absorption which they have found in their data. They find that there is a close connection between the absorption and large eruptive regions which appear on the sun (i.e. regions containing a large number of flares). An example is the absorption which was observed from 10-24 July 1959. It can be divided into three parts with three corresponding absorption maxima. Each of these occurred some hours after three chromospheric flares (3+) on July 10, 14 and 16. A large eruptive region appeared at the East limb on July 9 and had reached the West limb by the 20th. It produced 76 chromospheric flares (four of intensity 3 and three of 3+). In order to explain all the effects observed, it seems necessary to postulate the production of particles in these regions with an energy of 10^6 - 10^9 eV (e.g. Ref.7: I.M. Gordon, Byul. komissii po issledovaniyu Solntsa, no.10 (24), Izd-vo AN SSSR, L., 1954).

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

29570

On the connection between type III... S/033/61/038/004/003/010
E133/E135

The intense flares can be thought of as a trigger mechanism which allows the energetic particles, which have collected, to be released. The emission of particles from the sun need not however occur only during solar flares. Favourable conditions may also occur elsewhere in the active region, so that particles can escape without the appearance of a major flare. Examples of such cases are given in Ref.5 (A.S. Besprozvanniya, V.M. Driatskiy, The Study of the Ionosphere. Symposium, No.5, Izd-vo AN SSSR, 1960).
It appears that particle emission in the solar atmosphere is connected more with the properties of the active region as a whole than with individual flares.
There are 2 figures, 1 table and 11 references: 4 Soviet-bloc and 7 non-Soviet-bloc. The four most recent English language references (Refs. 1-4) are as quoted in the text above.

ASSOCIATION: Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut (Arctic and Antarctic Scientific-Research Institute)

Card 3/3

SUBMITTED: October 2, 1960

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V.M., red.; VEDERNIKOV, V.A., red.; DROZHZHINA, L.P., tekhn. red.

[Materials of the observations conducted by the drifting research stations "Severnyi Polius-6" and "Severnyi Polius-7" during the year 1957/58; transactions] Materialy nabliudenii nauchno-issledovatel'skikh dreifuiushchikh stantsii "Severnyi polius-6" i "Severnyi polius-7" 1957/58 goda; trudy. Leningrad, Izd-vo "Morskoi transport." Vol.1. Pod obshchei red. V.M.Driatskogo. 1962. 61 p. (MIRA 15:4)

1. Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.
(Arctic regions--Research)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V. M., kand. geograf. nauk

Severe radio communication interference in the Antarctic in November 1960. Inform. biul. Sov. antark. eksp. no.32:29-33 '62. (MIRA 16:4)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

(Antarctic regions—Radio—Interference)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V. M.

By radio from Antarctica. Inform. biul. Sov. antark. eksp. no.32:48-51 '62. (MIRA 16:4)

1. Nachal'nik Shestoy kontinental'noy ekspeditsii.

(Antarctic regions)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V.M.

By radio from Antarctica. Inform. biul. Sov. antark. eksp. no.33:46-48 '62. (MIRA 16:2)

1. Nachal'nik Shestoy kontinental'noy ekspeditsii v Antarktiku.
(Antarctic regions—Geophysical research)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V.M.; DRALKIN, A.G.

By radio from Antarctica. Inform. biul. Sov. antark. eksp. no.35:59-62 '62. (MIRA 16:11)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIATSKIY, V.M., starshiy nauchnyy sotrudnik

Absorption of radio waves in the polar cap based on observations made at the Mirnyy Observatory in 1961. Inform.biul.Sov.antark.eksp. no.42: 27-32 '63. (MIRA 17:1)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

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The author discusses the effects of solar [illegible] of radio
s through communication channels with [illegible] are divided

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

BESPROZVANNAYA, Antonna Semenovna; GORBUSHINA, Galina Nikolayevna; KHRUSTALEVA, N.K., red.; DRIATSKIY, V.M., kand.geogr.nauk, red.

[Morphology of the disturbed ionosphere of high latitudes; according to data of the IGY] Morfologiia vozmushchennoi ionosfery vysokikh shirot (po dannym MGG) Leningrad, Gidrometeor. izd-vo, 1965. 122 p. (MIRA 18:12)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

EWT(1)/FCC GW/WS-2

ACC NR: AT6025292 SOURCE CODE: UR/3174/65/000/054/0005/0011

AUTHOR: Driatskiy, V. M. (Candidate of geographical sciences)

ORG: Arctic and Antarctic Scientific Research Institute (Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut)

TITLE: Some results of recording cosmic radio waves at Mirnyy Observatory in Antarctica during 1962

SOURCE: Sovetskaya antarkticheskaya ekspeditsiya, 1955-. Informatsionnyy byulleten', no. 54, 1965, 5-11

TOPIC TAGS: radio noise, cosmic radio source, earth magnetic field, aurora

ABSTRACT: In 1962, the members of the XII Antarctic Expedition measured cosmic radio waves in the 31.8 MHz band with a continuous recording instrument. This instrument incorporates the self-balancing principle used in radio astronomy instruments. The recording element was 70 mm wide and moved at a speed of 60 mm/hr. In many recorded cases, cosmic radio emissions were found to be absorbed by the aurora; this absorption produced decreases in radio emissions, corresponding to peaks of turbulence in the Earth's magnetic field. A total of 147 cases of pronounced absorption were noted during 1962. The absorption phenomenon varied with the time of year. Comparison of 1962 data and 1961 data showed fair agreement. Absorption varied in intensity up to 6.00

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

L 09454-67

ACC NR: AT6025292

db, the most common being between 0.5 and 1.9 db and the rarest above 2.5 db. Absorption duration varied from 10 to 99 min, the most common being 20-29 min; duration over 80 min was observed only twice. Orig. art. has: 2 figures, 2 tables.

SUB CODE: 03,08/ SUBM DATE: 23Mar65/ ORIG REF: 003/ OTH REF: 006

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

L 17777-66 EWT(1)/FSS-2/FCC/EWA(d)/EWA(h) TT/GW

ACC NR: AP6006652 SOURCE CODE: UR/0203/66/006/001/0003/0010

AUTHOR: Vernov, S. N.; Driatskiy, V. M.; Kuznetsov, S. N.; Logachev, Yu. I.; Sosnovets, E. N.; Stolpovskiy, V. G. 45 B

ORG: Moscow State University, Institute of Nuclear Physics (Moskovskiy gosudarstvennyy universitet, Institut yadernoy fiziki)

TITLE: Behavior of the radiation belts and anomalous absorption of cosmic radio noise in the aurora borealis region during the magnetic storms of 12-14 February and 20-21 February 1964

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 1, 1966, 3-10

TOPIC TAGS: cosmic noise measurement, radio wave absorption, aurora, magnetic storm, radiation belt, magnetosphere

ABSTRACT: The authors make a direct comparison of electron fluxes with differing energies in the outer radiation belt during various stages of geomagnetic disturbances. The data used in this study were those transmitted by the Electron-1 and Electron-2 satellites during the magnetic storms of 12-14 and 20-21 February 1964.

Card 1/4 UDC: 550.385.41:621.391.81

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

L 17777-66

ACC NR: AP6006652

These were relatively weak storms with an abrupt onset. The outer radiation belt behaved differently in each of these cases in spite of the fact that the storms were approximately identical with respect to the amplitude of the main phase. *Pc* oscillations with a period of approximately 40 seconds were observed on the day of the first storm, indicating a quiet magnetosphere. During the first hour of the storm, an electron flux of $N \sim 1.5 \times 10^8$ cm^2/sec/kev was observed at a distance of approximately 10 Earth radii. This region lies far outside the radiation belts of the Earth, and the flux was apparently due to the storm. The magnetic field increased in this region during the first phase of the storm. Electron intensity decreased somewhat after the initial phase. Electron-1 data gave the boundary of the outer radiation belt on the night side as L = 6.5–7 before the abrupt onset of the storm, while the data of Electron-2 gave a value of L = 7.4. Data from these satellites gave L = 5.5–6.8 and L = 5.9, respectively, after the initial phase of the storm. This may be explained by compression of the magnetosphere. The period of *Pc* oscillations after the initial phase was approximately 20 sec. The period of the *Pc* oscillations was reduced to 16 sec when the boundary of the radiation belt shifted to L = 5. There was a faster increase in the flux of electrons with energies greater than 40 kev during the main phase of the storm than there was in the intensity of electrons with energies greater than 150 kev. The basic data for the

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ACC NR: AP6006652

storm of 20-21 February were those transmitted by the Electron-1 satellite. These data show that the boundary of the outer radiation belt was at L = 6-6.5 before the storm. The period of *Pc* oscillations was approximately 50 sec. During the first phase of the storm, the boundary of the radiation belt was registered as L=5 and the period of *Pc* oscillations was 14 sec. An increase in the intensity of the magnetic field was observed at a distance of approximately 10 Earth radii. These data indicate compression of the magnetosphere. Low-energy electrons appeared at great distances from the Earth during the first phase of the storm. Data from 10 stations were used for studying the absorption of cosmic radio noise in the region of the aurora borealis. The first burst of auroral zone absorption was observed on the day side of the Earth during the first phase of the storm. This may be due to the fact that the boundary of the magnetosphere was approaching the Earth. The amplitude of anomalous absorption increased from ~1 db to ~3.5 db when the boundary of the radiation belt moved from L = 5.6 to L = 9.6. Beyond this point, there was a reduction in auroral zone absorption. After the initial phase, no more such strong "bursts" of anomalous absorption were observed until the development of the main phase. Anomalous absorption was again observed during the main phase but this time with no clear relationship to L. An analysis of the data shows that electrons pour out of the radiation belts on the day side of the earth during the first phase

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

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ACC NR: AP6006652

of a magnetic storm. This is indicated by the reduction in electron intensity in the maximum of a belt and at higher values of L. Evaluations show that during the first phase of a storm the mirror points of electrons in the outer radiation belt may move several hundred kilometers closer to the Earth. Anomalous absorption in the auroral zone may be observed between the first and main phases of a magnetic storm. However, in this case they are accompanied by various effects in the radiation belt region. A comparison of data on auroral zone absorption and the behavior of radiation belts shows that anomalous absorption is sometimes accompanied by a reduction in intensity in the belt and sometimes by no changes at all or even an increase in the number of particles in the belt. More data are needed on auroral zone absorption around the entire Earth and at $L < 4$. Orig. art. has: 9 figures. [14]

SUB CODE: 08/ SUBM DATE: 03Aug65/ ORIG REF: 005/ OTH REF: 004

ATD PRESS: 4209

Card 4/4

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

L 17775-66 EWT(d)/FSS-2/EWT(1)/FCC GW

ACC NR: AP6006660 SOURCE CODE: UR/0203/66/006/001/0068/0079

AUTHOR: Driatskiy, V. M.

ORG: Arctic and Antarctic Scientific Research Institute (Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut)

TITLE: Conditions for short-wave radio transmission in the Antarctic

38
B

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 1, 1966, 68-79

TOPIC TAGS: aurora, radio communication, Antarctic, radio wave absorption

ABSTRACT: The author studies radio wave transmission in the Antarctic as a function of the extent and orientation of the transmission route. Three basic categories of radio lines are considered: 1) lines lying entirely within the region of the Polar Cap and not crossing into the zones of the aurora australis; 2) lines with one end lying in the auroral zone and the point where radio waves enter the absorbing layer in the zone of anomalous absorption; and 3) lines which cross into the auroral zone but have both end points relatively far from this zone and the region for passage of the radio waves through the lower ionosphere located outside the

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Card 1/3

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

L 17775-66

ACC NR: AP6006660

zone of anomalous absorption. Two types of polar absorption are considered: 1) Auroral zone absorption (AZA) is encountered in a narrow annular region (approximately 6-8 degrees) and coincides approximately with the zone where the aurora australis is most frequently observed. This absorption is of relatively short duration and is closely associated with geomagnetic disturbances apparently caused by corpuscular streams from the Sun. The altitude of the absorbing layer is approximately 85-105 km, 2) Polar Cap absorption (PCA) is observed throughout the entire region of the upper latitudes from the auroral region to the geomagnetic pole. This type of absorption lasts for several days and may be due to irruption of soft solar cosmic rays into the Earth's atmosphere. The altitude of the absorption region is approximately 45-75 km. Data on radio wave propagation in the Antarctic show that a principal reason for disruption of short-wave communications is anomalous absorption of radio waves in the ionosphere. Both auroral zone and Polar Cap absorption contribute to this phenomenon. Polar Cap absorption results in a sharp disruption of communications if even a relatively short section of the route passes through the polar region and radio waves intersect the absorbing layer only one time. The effect which auroral zone absorption has on radio communication conditions depends to a considerable degree on the orientation and the extent of the communication routes: Absorption of this type causes considerable disruption of communications

Card 2/3

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ACC NR: AP6006660

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on lines having one end lying in the zone of the auroral australis, where the point at which the radio waves enter the absorbing layer is located in the auroral zone. AZA has a weak effect on communication conditions along routes which cross into the auroral zone if both end points of the communication line are located relatively far from the zone and the region where the radio waves enter the lower ionosphere is located outside the zone of anomalous absorption. AZA has practically no effect on the reliability of radio communications along routes which pass through the Polar Cap region and do not cross into the auroral zone. A careful approach should be made to the problem of selecting the end points of radio communication lines as well as their length and orientation when planning systems of radio communications in the upper latitudes. This selection should be based on considerations for reducing the effect of polar absorption, particularly AZA, on the operation of the radio line. On a correctly chosen route, the radio waves should either pass above or below the absorption region. If it is impossible to avoid passage of the radio waves through the anomalous absorption layer, this transmission should take place in the region where absorption is low in intensity. Orig. art. has: 7 figures, 5 tables, and 2 formulas. [14]

SUB CODE: 17/ SUBM DATE: 14Nov64/ ORIG REF: 001/ OTH REF: 002
ATD PRESS: 4208

Card 3/3 SM

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L 24829-66 EWT(d)/FBD/EWT(1)/EEC(k)-2/FCC/EWA(h) GM/WS-2

ACC NR: AP6011706 SOURCE CODE: UR/0203/66/006/002/0361/0364

48
B

AUTHOR: Driatskiy, V. M.

ORG: Arctic and Antarctic Scientific Research Institute (Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut)

TITLE: Auroral absorption of radio waves near the north geographic pole

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 2, 1966, 361-364

TOPIC TAGS: radio wave absorption, cosmic radiation, aurora

ABSTRACT: Data are given on radio noises recorded by the SP-10 station drifting in a region close to the north geographic pole from 20 November 1963 to 20 April 1964. In this period the station drifted ~530 km along a straight line from 84°28' N lat., 140°16' E long. to 88°42' N lat., 97°07' E long. Riometers on frequencies of 32 and 40 Mc were used for measuring auroral absorption. The absorption appeared as relatively short reductions in the intensity of cosmic noise. No polar cap absorption or sudden ionospheric disturbances were observed during this period and there were no strong chromospheric solar flares. Thus all cases of absorption recorded were

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ACC NR: AP6011706

the AZA type. 17 cases of absorption were recorded over the five month period with durations in the main of 30-50 minutes. A duration of ~1.5 hours was observed in a few cases. Absorption intensity in most cases was from 0.5 to 1 db. However, there were three cases with an absorption of more than 2 db. The highest absorption intensity was 3.5 db observed on 6 December 1963. All cases of auroral absorption were observed close to local midnight with most of them occurring between 22 and 23 hours local time. Auroral absorption was most often observed in mid winter, in December and January. The relationship between absorption and frequency is discussed. The ratio between absorption on 32 Mc and on 40 Mc varies from 1.1 to 1.8. Taking 1.45 as an average value for this ratio, collision frequency gives an absorption layer with an effective altitude of 54-58 km. This can be considered as only an approximate calculation since the relationship between collision frequency and altitude has not been firmly established. Orig. art. has: 3 figures, 2 tables, and 1 formula. [14]

SUB CODE: 08/ SUBM DATE: 06Feb65/ ORIG REF: 005/ OTH REF: 012/ ATD PRESS: 4250

Card 2/2 Hla

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

ACC NR: AT7003583 SOURCE CODE: UR/3116/66/280/000/0086/0090

AUTHOR: Driatskiy, V. M.; Moiseyev, B. S.

ORG: none

TITLE: Absorption of solar radio waves at high latitudes in connection with solar flares

SOURCE: Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut. Trudy, v. 280, 1966. Issledovaniya magnitno-ionosfernykh vozmushcheniy i rasprostraneniya radiovoln v Arktike i Antarktike (Studies of magnetic and ionospheric disturbances and radio wave propagation in the Arctic and Antarctic), 86-90

TOPIC TAGS: solar flare, solar radiation absorption, rheometric observation, SCNA/Tiksi Bay

ABSTRACT: Rheometric observations of SCNA occurrences in high latitudes were carried out from May to August 1959 and 1960 in Tiksi Bay at a frequency of 32 Mc. Radio noise was received by a wave duct antenna directed toward the zenith. The

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Table 1

SCNA, registered at Tiksi Bay in the summer of 1959 and 1960

Date	SCNA			Maximal absorption (db)	Solar altitude above horizon	Solar flare				Observatory which had detected the flare	Geomagnetic effects (h)
	initial time (UT)	maximal time (UT)	main phase duration (min)			initial time (UT)	time of termination (UT)	maximal phase (UT)	Intensity (importance)		
1959											
1 May	7 h 40min	7 h 49min	22	0,68	24°,8	7 h 35min	8 h 30min	7 h 48min	2	IZMIRAN	—
3 "	3 20	3 33	30	0,70	36 ,7	3 23	3 53	3 24	2	TAO	—
5 "	3 32	3 55	38	0,46	36 ,5	3 32	3 55	3 43	1—	"	—
17 "	5 23	5 28	23	1,36	34 ,1	5 24	6 00	5 33	3	AÔO	—
17 "	7 02	7 07	20	0,52	28 ,0	7 00	7 22	7 07	2		—
18 "	5 10	5 25	50	1,28	33 ,9	5 07	5 20	—	1—	IZMIRAN	—
3 June	7 15	7 29	25	0,46	31 ,3	7 21	7 29	—	1—	TAO	—
13 "	3 55	4 03	15	0,58	41 ,4	3 58	4 08	3 58	1+	AbAO	—
16 "	6 10	6 29	50	1,28	35 ,4	6 21	8 00	6 27	3	KrAO	—
24 July	7 05	7 26	45	0,72	30 ,4	6 56	7 44	7 26	1+	"	—
9 August	8 07	8 15	23	0,46	19 ,7	8 18	8 27	8 19	1	"	—
17 "	7 10	7 20	50	0,33	23 ,7	7 10	7 40	7 15	2	UGAO	141
23 "	12 32	12 35	46	1,92	13 ,6	11 58	12 50	12 08	2		
1960											
13 May	5 18	5 30	86	4,30	34 ,1	5 19	6 10	5 32	3	TAO	55

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results of the observations are shown in tabular form. Orig. art. has: 2 figures and 1 table. [DW]

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

ACC NR: AT7003586 SOURCE CODE: UR/3116/66/280/000/0115/0126

AUTHOR: Driatskiy, V. M.

ORG: none

TITLE: Certain features of radio short wave transmission between the Antarctic and the Northern Hemisphere

SOURCE: Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut. Trudy, v. 280, 1966. Issledovaniya magnitno-ionosfernykh vozmushcheniy i rasprostraneniya radiovoln v Arktike i Antarktike (Studies of magnetic and ionospheric disturbances and radio wave propagation in the Arctic and Antarctic), 115-126

TOPIC TAGS: radio wave, radio wave propagation, long range signal, radio wave transmission, long range radio transmission

ABSTRACT: Based on an analysis of available data, on transmission of radio waves over long range runs is connecting Mirnyy with the radio stations of the Northern Hemisphere the following conclusions are made: utilization of maximum capacities provides reliable transmission of radio signals during a certain part of the day for

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the whole year; the greatest reliability of transmission is obtained during darkness; the average reliability of transmission is somewhat lower during geomagnetic disturbances as compared to those during corresponding quiet periods; maximum signal field intensity was observed during quiet magnetic periods; radio forecasts provide only a general maximum available frequency and minimum available frequency values over long-range radio runs. The Polar cap type absorption leads to a sharp reduction in pulse intensity and to a prolonged decrease in radio wave transmission reliability. Orig. art. has: 6 figures and 5 tables. [AM]

SUB CODE: 20,03/SUBM DATE: none/ORIG REF: 015/OTH REF: 003/

Card 2/2

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

ACC NR: AP7002194 SOURCE CODE: UR/0203/66/006/006/1061/1070

AUTHOR: Driatskiy, V. M.

ORG: Arctic and Antarctic Scientific Research Institute, GUGMS (Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut GUGMS)

TITLE: Study of space and time distribution of auroral absorption using observation data from an Arctic riometer network

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 6, 1966, 1061-1070

TOPIC TAGS: aurora, ~~atmospheric electric phenomena~~ cosmic radiation, radio noise, solar activity, ionospheric radio wave, riometer, antenna, meteorologic satellite

ABSTRACT: On the basis of recordings of cosmic radio noise obtained from stations in the Arctic the latitudinal distribution of auroral absorption during periods of minimum solar activity was studied. Riometers operating on the frequency of 32 mc, and five-element Yagi antennas with the radiation pattern width in the E and H planes of 50 and 60° respectively were used. In all stations except the drifting station SP-10, antennas were oriented to the celestial pole. Absorption intensity was computed for the first minute of every hour, universal time; the number of absorptions within the limits of > 0.5, > 1.0, and > 2.0 db were determined for every hour. In order to determine the

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ACC NR: AP7002194

latitudinal distribution of auroral absorption, observation data were divided into four groups according to season. A clearly outlined maximum during all seasons for cases > 1.0 db and > 2.0 db is indicated. During the winter, at the equinox, and also in the annual average the maximum is located at 68° latitude (station Dikson). During the summer it displaced toward the southern latitudes. It was also found that the frequency of the absorption appearance increases sharply with an increase in geomagnetic perturbance. At the southernmost station, Noril'sk, the frequency of appearance of absorption was similar to the maximum observed at the Dikson station. It is therefore concluded that during high geomagnetic activity the southern boundary of absorption displaces toward the middle latitudes. The relative position of the zone of auroral absorption and the Aurora Zone was analyzed also. Results indicate that the maximum frequency of absorption is approximately 1—1.5° south of the Aurora Zone. Data on diurnal variations in absorption indicate that the basic maximum of absorption appears during the 10—11 hours before noon. The second maximum was observed at midnight at all latitudes. In the later hours it displaced to the North. A characteristic of diurnal variations in absorption is clearly defined minimum during evening hours at all latitudes. The author concludes that there is a connection between geophysical phenomena

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observed in the Aurora Zone and some processes occurring in radiation belts. The fallout of electrons with $E_e > 40$ kev from radiation belts into the earth's atmosphere is probably a basic cause of ionospheric and magnetic disturbances, including auroral absorption of radio waves. Orig. art. has: 5 figures and 1 table. [WA-3] [GS]

SUB CODE: 04/ SUBM DATE: 19Jul65/ ORIG REF: 006/
OTH REF: 017

Card 3/3

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBAN, A.M. (Donetsk)

On the article "Solving the equations of higher degree with integral coefficients." Mat. v shkole no.1:95 Ja-F '63. (MIRA 16:6)
(No subject headings)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

POLYANIKOVA, N.I.; DRIBAN, Ye.I., inzh.

Unhairing of hides without coating with the lime solution.
Kozh. obuv. prom. 7 no. 11:40-41 N '65 (MIRA 19:1)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBIN, L.F.

UDYMA, P.G.; SAGALAYEV, G.V., redaktor; DRIBIN, L.F., redaktor; KORNEYEVA, V.I., tekhnicheskiy redaktor

[Controlling corrosion of equipment for manufacturing semifinished materials and dyes] Bor'ba s korroziei oborudovaniia v proizvodstve poluproduktov i krasitelei. Pod red. G.V. Sagalaeva. Moskva, Gos. nauchno-tekhn. izd-vo khim.lit-ry, 1957. 157 p. (Korroziia v khimicheskikh proizvodstvakh i sposoby zashchity, no.9) (MIRA 10:9)
(Corrosion and anticorrosives)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

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NEKRASOV, K.D.; TARASOVA, A.P.; VOLODIN , V.Ye., red.; DRIBIN, L.F., red.; SHPAK, Ye.G., tekhn.red.

[Chemically stable heat resistant concrete made with soluble glass] Zharoupornyi khimicheski stoikii beton na zhidkom stekle. Pod red. V.E.Volodina. Moskva, Gos.nauchno-tekhn. izd-vo khim.lit-ry, 1959. 149 p. (Korroziia v khimicheskikh proizvodstvakh i sposoby zashchity, no.15) (MIRA 13:1)
(Concrete) (Soluble glass)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

GALAKTIONOV, P.A., kand. tekhn. nauk; DRIBIN, L.F.

Investigating technological processes and solutions of simultaneous jet degreasing and pickling. Trakt. i sel'khozmash. no.4:41-45 Ap '59. (MIRA 12:5)

1. Nauchno-issledovatel'skiy institut Traktorosel'khozmash.
(Metals--Finishing) (Metals--Pickling)

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBINOVICH, N.K.

DRIBINOVICH, Nik.

A sea without shores. IUn.nat.no.12:27-28 D '57. (MIRA 10:12)
(Sargasso Sea)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBINSKAYA, D.

Obtaining a timely receipt of payments in the budget. Sov. fin. 13, No 2, 1952.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBINSKAYA, D.

RAT, D.; OVSYANNIKOV, V.; DRIBINSKAYA, D.

Improving the system of collecting profit deductions. Fin. SSSR 16 no.5:66-69 My '55. (MIRA 8:6)

1. Nachal'nik sektora finansirovaniya narodnogo khozyaystva L'vovskogo gorfinotdela (for Rat). 2. Zamestitel' nachal'nika planovo-finansovogo otdela tresta "Dal'rybtara" (for Ovsyannikov). 3. Zamestitel' nachal'nika Upravleniya gosdokhodov Ministerstva finansov Azerbaydzhanskoy SSR (for Dribinskaya).
(Tax collection)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

KRUGLIKOV, S. S.; KUDRYAVTSEV, N. T.; ANTONOV, A. Ya.; DRIBINSKIY, A. V.

"A study of levelling in nickel and copper."

Report to be submitted to the International Council For the Electrodeposition and Metal Finishing, 6th International Metal Finishing Conference, London, England, 25-29 May 64.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

KRUGLIKOV, S.S.; KUDRYAVTSEV, N.T.; ANTONOV, A.Ya.; DRIBINSKIY, A.V.

Use of a rotating disk electrode for the study of the mechanism of surface leveling in electrodeposition of metals. Trudy MKHTI no.44: 74-79 '64. (MIRA 18:1)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

KOSOGOV, A.M.; DRIBINSKIY, M.A.; REBORTOVICH, I.S.

Builders speak of polymer materials. Stroi.mat. 10 no.4:5-7 Ap '64. (MIRA 17:5)

1. Zamestitel' nachal'nika Tekhnicheskogo upravleniya Glavtsentrostroya (for Kosogov). 2. Upravlyayushchiy trestom krupnopanel'nogo domostroyeniya Glavtsentrostroya (for Dribinskiy). 3. Zamestitel' glavnogo inzhenera tresta Mosoblstroy No.27 (for Rebortovich).

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBINSKIY, M.B.

DRIBINSKIY, M.B.; NIKIFOROV, B.M.

Simplified apparatus for ether-oxygen anesthesia. Khirurgiia no.7: 80-81 Jl '54. (MLRA 7:10)

1. Iz khirurgicheskogo otdeleniya (zav. M.B.Dribinskiy) Kaliningradskogo oblastnogo onkologicheskogo dispansera (glavnyy varch Shakhvorostova)

(ANESTHESIA, ENDOTRACHEAL, apparatus and instruments, intubation appar. for ether-oxygen anesth.)

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBINSKIY, M.B.

DRIBINSKIY, M.B.; ITMAN, M.R.

Surgical therapy of pulmonary tuberculosis in a tuberculous dispensary. Probl.tub. no.3:66-67 My-Je '55. (MLRA 8:8)

1. Iz Kaliningradskogo oblastnogo protivotuberkuleznogo dispansera (glavnyy vrach G.Ye.Gurevich).
(TUBERCULOSIS, PULMONARY, surgery, in Russia, dispensary serv.)
(OUTPATIENT SERVICE, surg. treatment of pulm. tuberc. in Russia)

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBINSKIY, M.B.

Surgical treatment of a cystose diverticulum of the trachea and the main right bronchus. Khirurgiia no.8:78-79 Ag. '55. (MLRA 9:2)

1. Iz khirurgicheskogo otdeleniya Kaliningradskoy oblastnoy bol'nitsy.
(BRONCHI--SURGERY) (TRACHEA--SURGERY)

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBINSKIY, M.B.

Cyst on the right posterior-lateral wall of the pericardium. Khirurgiia 32 no.8:78-79 Ag '56. (MLRA 9:12)

1. Iz khirurgicheskogo otdeleniya (zav. M.B.Dribinskiy) Kaliningradskogo oblastnogo onkologicheskogo dispansera (glavnyy vrach V.I. Shakhvorostova)
(PERICARDIUM--TUMORS) (CYSTS)

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBINSKIY, M. B.: Master Med Sci (diss) -- "The use of the method of segmentary catheterizing the bronchi in practical pulmonary surgery". Kaliningrad, 1959. 15 pp (Min Health RSFSR, First Leningrad Med Inst im Acad I. P. Pavlov, Chair of Hospital Surgery, Kaliningrad Oblast Hospital), 200 copies (KL, No 10, 1959, 128)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBINSKIY, M.B.; KLIMANSKIY, V.A.; ANTONOVA, I.V.

Catheterization of the bronchi in the induction of intubation anesthesia. Khirurgiia 35 no.6:59-63 Je '59. (MIRA 12:8)

1. Iz otdeleniya grudnoy khirurgii (zav. M.B.Dribinskiy) Kaliningradskoy oblastnoy bol'nitsy (glavnyy vrach - kand. med.nauk zasluzhennyy vrach RSFSR V.V.Filippov).
(ANESTHESIA, ENDOTRACHEAL
errors & hazards in intubation of bronchi, prev. (Rus))

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121

DRIBINSKIY, M.B.; KLIMANSKIY, V.A.; LAZAREVA, V.G.; LYAKHOVA, Ye.A.

Bronchography under intravenous anesthesia in tracheal intubation. Khirurgiia 37 no.4:38-42 '61. (MIRA 14:4)

1. Iz otdeleniya grudnoy khirurgii (zav. otdeleniyem M.B. Dribinskiy) Kaliningradskoy oblastnoy bol'nitsy (glavnyy vrach - zasluzhennyy vrach RSFSR kand.med.nauk V.V. Filippov).
(BRONCHI—RADIOGRAPHY) (INTRAVENOUS ANESTHESIA)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041121(